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Claims

1. A dust control mat with a tufted pile textile surface comprising tufts of yarn tufted into a tufting substrate and an elastomer backing, wherein the textile surface has a dust retention performance in an unwashed state defined by a sand retention value of at least 1000 g/m², and the elastomer backing includes elastomer crumbs, a binder and a plurality of voids between the elastomer crumbs, such that the backing has a density in the range 0.5-0.9g/cm³.
2. A mat according to claim 1 wherein the elastomer crumb is crumbed vulcanized rubber.
3. A mat according to claim 2 wherein the rubber is nitrile rubber.
4. A mat according to any preceding claim, characterised in that the elastomer backing has a bulk density in the range 45 to 70%, preferably 55 to 70%, of the solid density of the elastomer crumb material.
5. A mat according to claim 4, characterised in that the backing has a density in the range 0.7 to 0.9g/cm³.
6. A mat according to any preceding claim, characterised in that the elastomer backing exhibits a deformability, as measured by the test herein defined, of at least 14%, preferably 14 to 50%, more preferably 14 to 25%.
7. A mat according to any preceding claim in which the backing has a thickness of at least 1 mm.
8. A mat according to any preceding claim in which the crumb size is less than 5 mm diameter and is preferably substantially in the range 2 to 4 mm.
9. A mat according to any preceding claim in which the elastomer crumb backing includes powdered elastomer crumb comprising at least 10% by weight of the backing.
10. A mat according to any preceding claim in which the binder is present at a level of from 2 to 20% by weight of the backing.
11. A mat according to claim 10, in which the elastomer crumb backing includes elastomer crumbs and some or no powdered elastomer crumb, wherein the powdered elastomer crumb comprises less than 1% by weight of the backing and the binder is present at a level of from 2 to 12% by weight of the backing.

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12. A mat according to claim 10, wherein the elastomer crumb backing includes powdered elastomer crumb comprising at least 10% by weight of the backing and the binder level lies in the range 9 to 20%, preferably about 14% by weight of the backing.
13. A mat according to any preceding claim in which the binder is a polyurethane MDI binder.
14. A mat according to claim 13 in which the binder is selected from the group consisting of 4,4-methylene di-p-phenylene isocyanate (MDI) polyurethane one- and two-component adhesives.
15. A mat according to claim 14 in which the binder is a solvent free one component polyurethane adhesive.
16. A mat according to any one of claims 1 to 12 in which the binder is a hot melt binder.
17. A mat according to any preceding claim in which the backing includes powdered additives selected from the group consisting of anti-microbial additives, anti-flammability additives, pigments, such as iron oxide, and anti-static additives, such as carbon fibres.
18. A mat according to any preceding claim, characterised in that a crumb rubber border extending beyond the periphery of the textile surface is provided on at least two opposite edges of the mat.
19. A mat according to claim 18 comprising a crumb rubber border extending around the entire periphery of the mat.
20. A mat according to any preceding claim, wherein an edging strip is bonded to the elastomer backing adjacent at least one edge thereof.
21. A mat according to claim 20, wherein the textile surface partially overlaps and is bonded to the edging strip.